Work Order ID 60169-2

June 28, 2010 12:02:47 PM

Item ID:

D4134-042

Revision ID:

Item Name:

Wearplate, RH Aft

Start Date:

6/28/10

Start Qtv: 2.00

Required Date: 7/15/10

Reference:

·Sequence ID/

Draw Nbr

Work Center ID

Approvals:

QC:

Process Plan:

Operation

Revision Nbr

Description

Req'd Qty: 2.00

A

Date:

Date: 106-29 Tooling:

SPC (YN):

0.00

0.00

Accept

Run Hours

Tool ID

Cust Item ID:

Customer

Date:

Date:

Tool # Plan Code

Accept Otv

Reject Otv

Number

Stamp

D4134 100

Waterjet

FLOW CNC Waterjet

304.050

Memo

FLOW WATER JET

1-Cut D4134-1F as par Dwg D4134

Dwg Rev Prog Rev.

2-Deburr if necessary

Memo

QC2- Inspect parts off machine FAI/FAIB

0.00

0.00

QC8- Inspect parts - second check

Memo

Run

Start

Stop

Setup Start

Stop

Reject

Insp.

Page 1

1810-6-29

1210-6-29

120

110

QC

Quality Control

Quality Control

0.00

W/O:		WORK ORDER CHANGES									
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
Part No	:	PAR #: Fault Category:	NCR: Yes	No DQ	A:	Date: _					

Disposition:

QA: N/C Closed: _____

Date:

NCR:		WORK ORDER NON-CONFORMANCE (NCR)										
		Description of NC	- 1	Corrective Action Section B			Approval	Approval				
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Chief Eng	QC Inspector				
						8						

NOTE: Date & initial all entries

Resolution:

Dart Aerospace Ltd	Dart	Aeros	pace	Ltd
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W/O:		WORK ORDER CHANGES	WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	A) QC In.	

Part No: <u>D4134-042</u>	PAR #:	Fault Category:	NCR: Yes No DQA:	Date:
Resolution:		Disposition:	QA: N/C Closed:	Date:

		Description of NC		Corrective Action Section B		Verification	Approval	Approva
DATE	STEP	Description of NC Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspecto
1.10.06	100	Design changed. PARTS NO LONGER	10 wot	SCRAP PID.10.06 NEW PARTS MADE TO REV. B	10.10.06	S 10/10/07 C	0.000	10.50.0
		CORRECT	Dagon	TO REV. B		10/10/07	Star	
			(Jan					

Work Order ID 60169

June 28, 2010 12:02:48 PM

Item ID:

D4134-042

Revision ID: Item Name:

Wearplate, RH Aft

Start Date: 6/28/10

Required Date: 7/15/10

Start Qty: 2.00

Reg'd Qtv: 2.00



Accept



Setup Start

Stop



Reference:

Approvals:

Process Plan:

QC:

Date: Date:

Tooling:

SPC (Y/N):

Date:

Cust Item 1D:

Customer:

Tool ID

Date:

Run Start

Reject

Qty

Stop

Reject

Number



Insp.

Stamp

Sequence ID/

Work Center ID

130

Brake NC

Brake NC

Operation Description

Form as per dwg

NC BRAKE

Memo

1- Form using DT Die as per Dwg D4134

Dt 9641

Set Up/ **Run Hours**

0.00

0.00

Accept

Oty

140

Quality Control

QC5- Inspect part completeness to step on W/O

0.00

Memo

0.00

Tool # Plan

Code

150

Large Fab

Weld per dwg. A/R. Hardcoat S.S. Batch: Large Fab

Memo

0.00

0.00

Large Fab

Weld hard surface using DT

as per QSI 004 and Dwg D4134

Dart Aerospa	ace Ltc	1
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W/O: 6	0169-	Z WORK ORDER CHANG	GES				.7
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
10/07/13	(30	add to open one hole to match the jig	S	10/07/13	3)	(N) 10.64.10 (S) on	
		- -					

Part No: 14134-042 PAR #	: Fault Category:	NCR: Yes No DQA:	Date:
Resolution:	Disposition:	QA: N/C Closed:	Date:

	WORK ORDER NON-CONFORMANCE (NCR)									
	Description of NC		Corrective Action Section B	ļ	Verification	Approval	Approval QC Inspector			
STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng				
				DAGITI						
	STEP	Section A	STEP Description of NC Section A Initial Chief Eng	STEP Description of NC Section A Initial Chief Eng Chief Eng	STEP Section A Initial Chief Eng Chief Eng Sign & Date	STEP Description of NC Section A Initial Chief Eng Chief Eng Sign & Date Verification Section C	STEP Description of NC Section A Initial Chief Eng Chief Eng Sign & Date Chief Eng Chi			

Work Order ID 60169

June 28, 2010 12:02:48 PM

Item ID:

D4134-042

Revision ID:

Item Name:

Wearplate, RH Aft

Start Date:

6/28/10

Start Qty: 2.00

Operation

Description

Required Date: 7/15/10

Reg'd Qty: 2.00



Reference:

Approvals:

Process Plan:

QC:

Date:

Tooling: Date:

SPC (Y/N): Set Up/

0.00

0.00

0.00

0.00

0.00

0.00

Run Hours

QC10- Inspect visual per QSI004- ground welds

Work Center ID

Quality Control

Sequence ID/

160

170

180

Memo

Memo

QC5- Inspect part completeness to step on W/O

Quality Control

Powdercoat

Powder Coating

Grey Sandtex(Ref.4.3.5.6) per QSI005 4.3

Memo

START TIME

OVEN TEMPERATURE FINISH TIME:

Accept



Setup Start

Stop

Cust Item ID:

Customer:

Date:

Date:

Start

Stop



Tool ID

Tool # Plan

Accept Code Qty

Reject Qty

Run

Reject Number

Insp. Stamp

N/O:		WORK ORDER CHANGES										
DATE	STEP	PRO	OCEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
Part No					NCR: Yes No DQA: Date:							
	Re	esolution:	Disposition	:	QA: N/C CI	osed:		Date: _				
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NCR)						
DATE	STEP	Description of NC					cation	Approval	Approval			
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Sect	ion C	Chief Eng	QC Inspector			

Page 4

Work Order ID 60169

June 28, 2010 12:02:48 PM

Item ID:

D4134-042

Revision ID:

Item Name:

Wearplate, RH Aft

Start Date:

6/28/10

QC:

Start Qty: 2.00

Required Date: 7/15/10

Req'd Qty: 2.00



Accept



Setup Start



Cust Item ID:

Customer:

Tool ID

Reference:

Approvals:

Process Plan:

Date: Date: Tooling:

SPC (Y/N):

Set Up/

Run Hours

Date:

Date:

Tool # Plan

Code

Stop

Reject

Qty

Sequence ID/ Work Center ID

190

Quality Control

Operation Description

QC3- Inspect Part Finish

Memo

0.00

0.00

Small Fab

Memo

0.00

0.00

Small Fab

1- Bond D4134-3 gasket to inner surface of wearplate using a thin layer of 3M

1300/1300L scotch grip adhesive

QC5- Inspect part completeness to step on W/O

Batch:

Memo

0.00

0.00

Quality Control

Run

Accept

Qty

Start

Stop



Reject

Insp.

Number Stamp

200

210

W/O:		WORK ORDER CHANGES											
DATE	STEP	PRO	CEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
								a rod mg.					
Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes	No DG	A:	_ Date: _					
	R	esolution:	Disposition	n:	QA: N/C C	osed:		Date: _					
NCR:		1	WORK ORD	ER NON-CONFORMA	ANCE (NCF	₹)							
D.47F		Description of NC	Description of NC Corrective Action			Verif	ication	Approval	Approval				
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date	sec.	tion C	Chief Eng	QC Inspector				

Work Order ID 60169

June 28, 2010 12:02:48 PM

Item ID:

D4134-042

Revision ID:

Item Name:

Wearplate, RH Aft

Start Date:

6/28/10

Start Qty: 2.00

Required Date: 7/15/10

Req'd Qty: 2.00



Reference:

Approvals:

Sequence ID/

Work Center ID

Process Plan:

QC:

Date:

Date:

Tooling:

SPC (Y/N):

Set Up/ Run Hours

0.00

0.00

Packaging

Operation

Description

Packaging Packaging

Memo

Identify as per dwg & Stock Location:

230

220

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

Accept



Setup Start

Stop



Cust Item ID: Customer:

Date:

Date:

Start Run

Stop

Tool ID

Tool# Plan

Code

Reject Accept Qty Qty

Reject Number

Insp.

Stamp

mr 10-10-4

Dart A	erospace l	Ltd
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W/O:			WC	RK ORDER CHANGE	S				
DATE	STEP	PRO	CEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes	No DQ	A:	Date:	
	Resolution:):	QA: N/C CI	osed:		Date: _	
NCR:			WORK ORDI	R NON-CONFORMA	NCE (NCF)			
DATE	CTED	Description of NC		Corrective Action Section B			cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date	Sect	ion C	Chief Eng	QC Inspector

. Picklist Print

June 28, 2010 12:02:46 PM

Work Order ID: 60169

Parent Item:

D4134-042

Parent Item Name: Wearplate, RH Aft



Start Date: 6/28/10

Required Date: 7/15/10

Start Qty: 2.00

Required Qty: 2.00

Comments:

IPP Rev:A 10.06.25 new issue DD verf:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status	
D4134-3 Gasket		Manufactured	No			200	Each	0.0000		2				
M304S18GA		Purchased	No			100	sf	132.8779	1.5825	3.331579	4:	8		

304/316 .050 Sheet

Location	Loc Qty	Loc Code	1810-6-29
MAT20	132.8779		
111743	8.86		
112885	28.0179		
113062	96		113067

Page 1

W/O:			WO	RK ORDER CHANG	ES				
DATE	STEP	PRO	OCEDURE CHAP	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Categ	Jory:	NCR: Yes	No DQ	A:	Date:	
	R	esolution:	Disposition	1:	QA: N/C C	osed:		Date: _	 :
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NCF	₹)			
		Description of NC	Description of NC Corrective Acti			Verifi	cation	on Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	otion Sign 8 Date		ion C	Chief Eng	QC Inspector

DART AEROSPACE LTD	Work Order:	60169
Description: WEAR PLATE RH. AFT.	Part Number:	D4134-642
Inspection Dwg: D 4(34~ \ Rev:		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype	X	First Article	9	Prototype
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Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
300	406	- 303	×			
.300	4010	, 303	*	*		
,415	7- 010	1412	P			
. 82	4-030	.816	x			
274	7 -030	2.775	*			
4.65	4 030	4.640	*			
5.055	4 .00	5.653	×			
5.47	4 ,030	5,468	*			
\$. 263	1.005 -001	305	*	111		
375	1do	374	*	-	-	
5.85	1 .030	5.85	×	-		
8.249	4010	8.750	>			-
13.110	4 .010	13.170	7			
15.85	430	15.85	7	-		
EPO. 81	t/ .00	18,092	16			
23.03	t010	23.013	×			
25.85	7 -50	25.85	2			
27.934	4 :010	27.934	*			
28:31	+L .30	28.310	×	-		
8.05	4030	8,048	X	-		Es.
15:73	4630	15.73	4	-		
15.98	7030	14.98	7	-	-	
. 050	7/ 1010	,050				

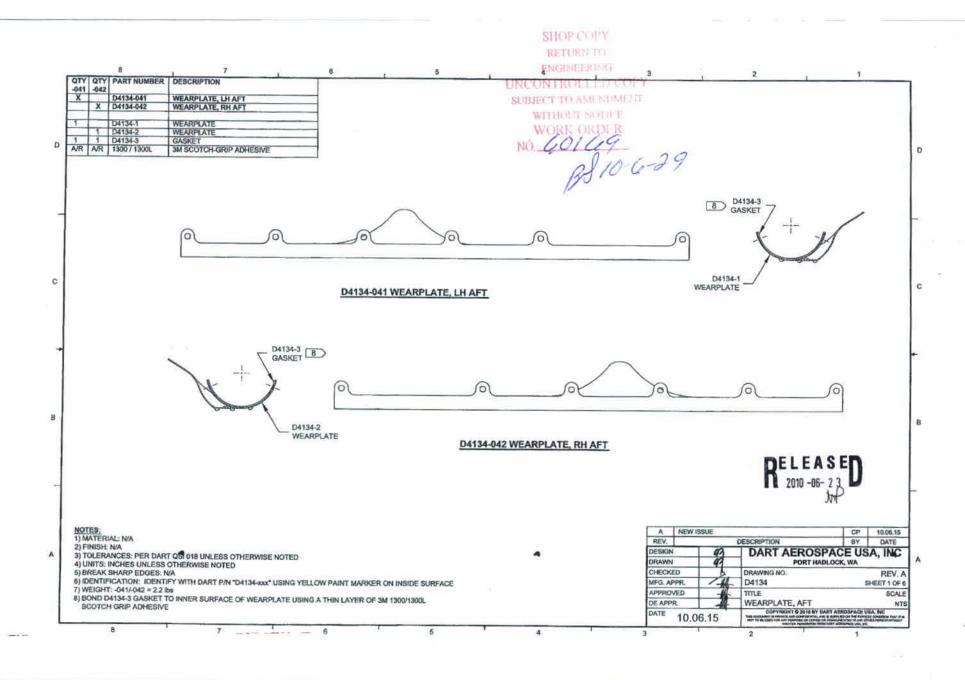
Measured by: B Audited by: Prototype Approval: N/A

Date: 10-6-29

Date: 10/4/30

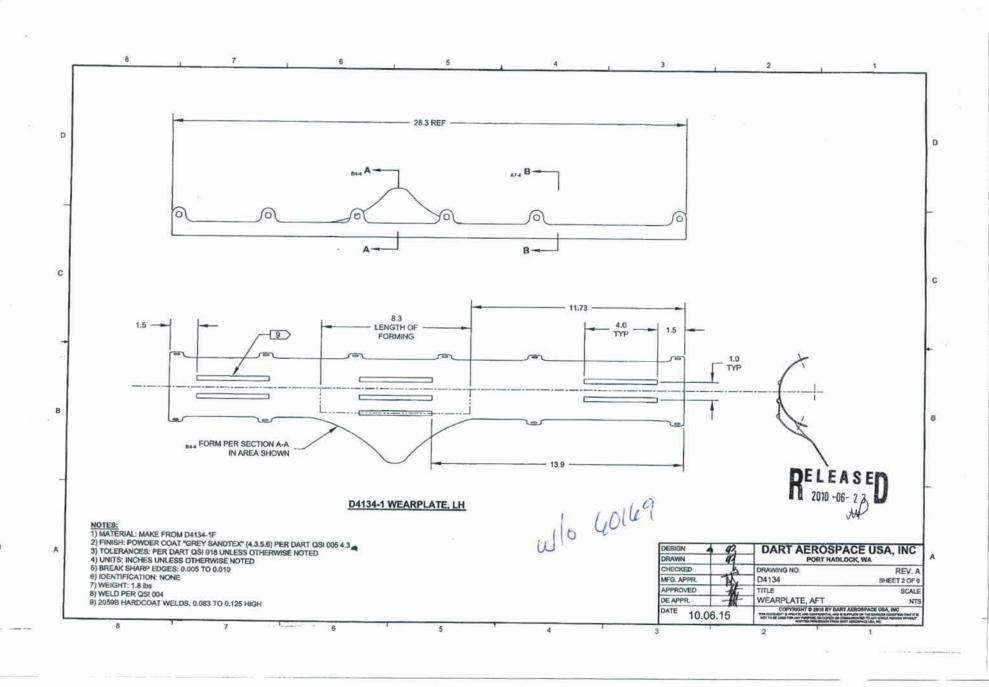
Date: N/A

D 1	D-4-	Change	Revised by	Approved
Rev	Date	Change	KJ/JLM	
A		New Issue	ROZUM	



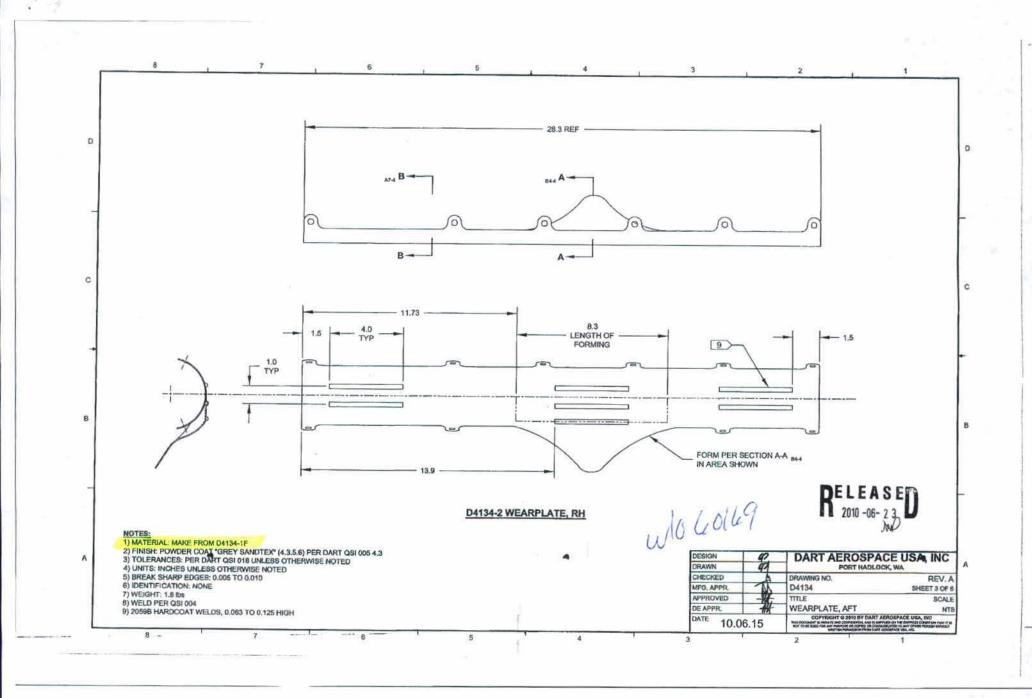
Dart Ae	rospace L	.td					× 2
W/O:			WORK ORDER	CHANGES			
DATE	STEP	PR	OCEDURE CHANGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Category:	NCR: Yes	No DQA:	Date:	
	Res	olution:	Disposition:	QA: N/C CI	osed:	Date: _	
NCR:			WORK ORDER NON-CON	IFORMANCE (NCR)		
		Description of NC	Corrective Action	n Section B	Varification	Approval	Annroval

NCR: WORK ORDER NON-CONFORMANCE (NCR)								
e 130		Description of NC		Corrective Action Section B		Verification	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspecto



Dart Ae	rospace Ltd							3 20	
W/O:			WORK ORDER	CHANGES					
DATE	STEP	PR	PROCEDURE CHANGE By Date Qty						
Part No:		PAR #:	Fault Category:	NCR: Yes No DQA:			Date:		
	Resolution	1:	Disposition: QA: N/C Closed:				Date:		
NCR:			WORK ORDER NON-CON	IFORMANCE (N	ICR)				

NCR:			WORK ORDI	ER NON-CONFORMANO	CE (NCR)			
DATE		Description of NC		Corrective Action Section B		Verification	A	Approval
	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	QC Inspector
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4								



W/O:		WORK ORDER CHANG	ES				
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #: Fault Category:	_ NCR: Yes	No DQ	A:	_ Date: _	

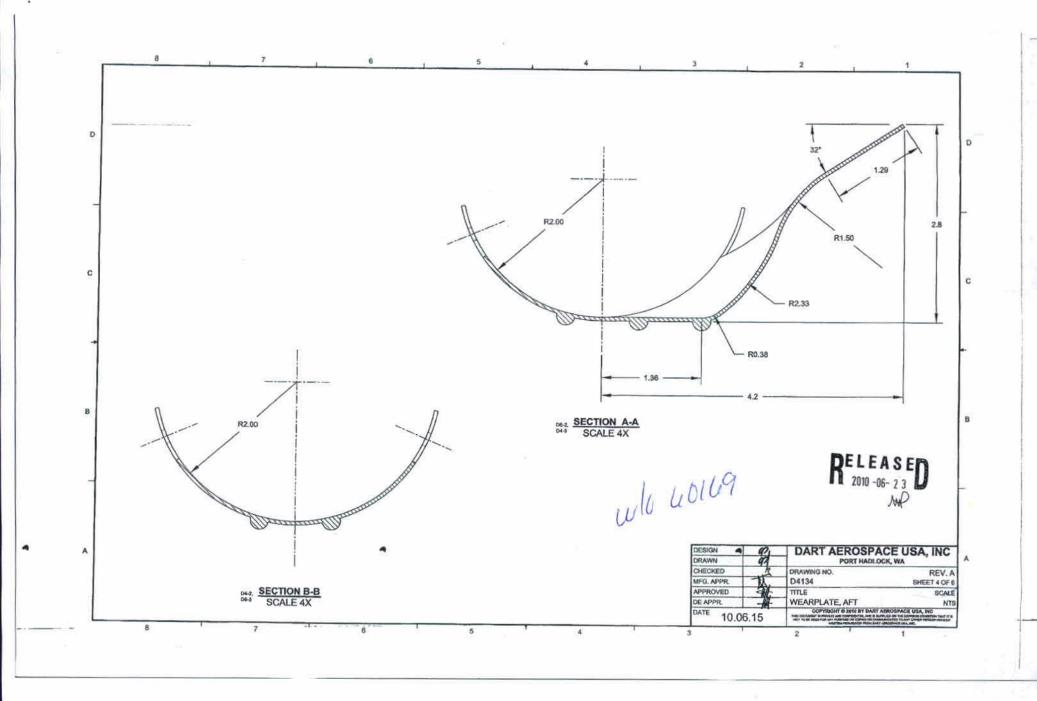
QA: N/C Closed: _____ Date: __

Disposition: _

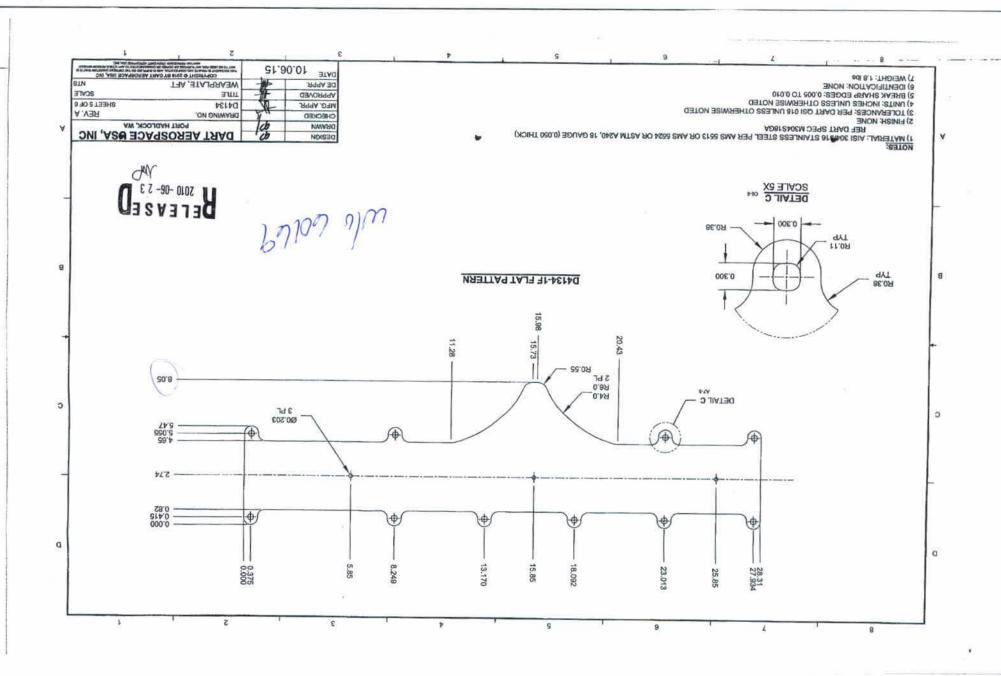
NCR:		WORK ORDER NON-CONFORMANCE (NCR)									
DATE		Description of NC		Corrective Action Section B		Verification	Annroval	Approval QC Inspector			
	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng				

NOTE: Date & initial all entries

Resolution:

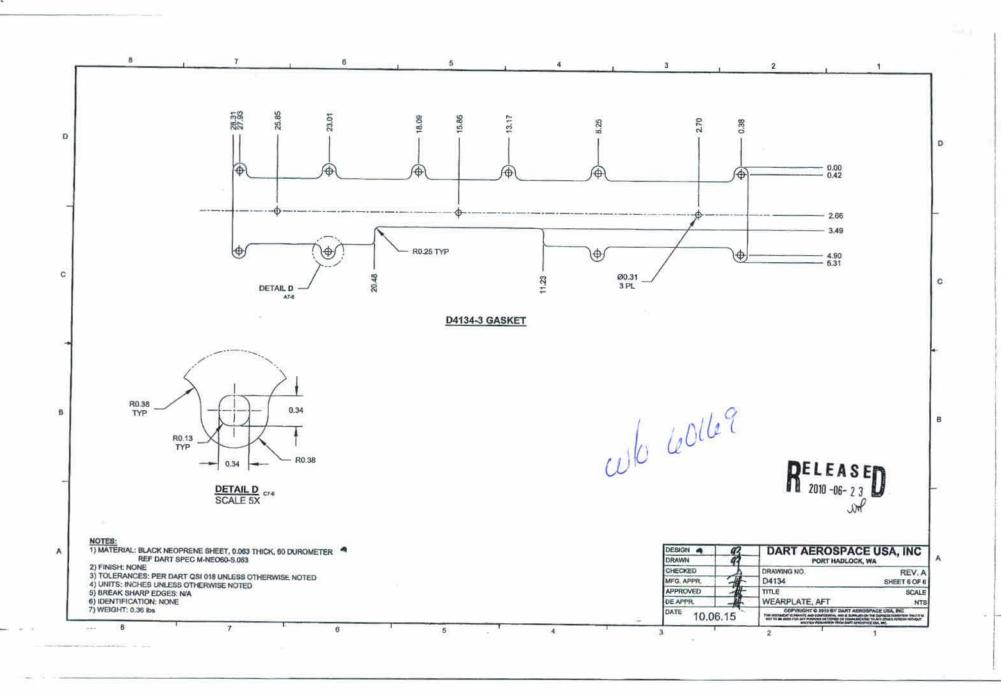


	- paroc								Dec	
W/O:			WC	ORK ORDER CHANGE	S				•	
DATE	STEP	PRO	OCEDURE CHA	NGE	By Date			Qty Approval Chief Eng / Prod Mgr QC		
Part No: PAR #:		Fault Cate	gory:	NCR: Yes	No DQ	A:	_ Date: _			
	R	esolution:	Dispositio	n:	QA: N/C CI	osed:		Date: _		
NCR:			WORK ORD	ER NON-CONFORMAN	ICE (NCF)				
DATE	STEP	Description of NC		Corrective Action Section	/	Verific	cation	Approval	Approval	
DAIL	SILF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date		ion C	Chief Eng	QC Inspector	
								-		



Dart Ae	rospace	e Ltd						
W/O:			WORK ORDER	CHANGES				
DATE	STEP	PRO	OCEDURE CHANGE	В	y Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No: PAR #:		PAR #:	Fault Category:	NCR: \	A:	Date:		
	R	Resolution:	Disposition:	QA: N/	C Closed: _		Date: _	
NCR:			WORK ORDER NON-CON	IFORMANCE (N	NCR)			
				Visit Towns and the Control of the C				

NCR:		WORK ORDER NON-CONFORMANCE (NCR)									
DATE		Description of NC		Corrective Action Section B				•			
	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector			



W/O:		WORK ORDER CHANGES								
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
Part No	:	PAR #: Fault Category:	NCR: Yes	No DQ	A:	Date:				

Disposition:

QA: N/C Closed: _____ Date: _

NCR:		WORK ORDER NON-CONFORMANCE (NCR)									
DATE		Description of NC		Corrective Action Section B		Verification	Approval	A			
	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	Approval QC Inspector			

NOTE: Date & initial all entries

Resolution: